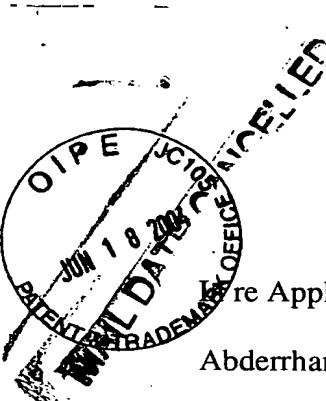
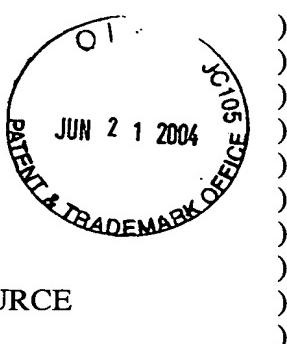


*Z F W*  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Re Application of  
Abderrhamane Ounadjela  
Application N°: 10/695,078  
Filed: October 28, 2003  
Title: BOREHOLE ACOUSTIC SOURCE



Customer No. 37003

Group Art Unit: 3662

Examiner:

Docket N°: 60.1543

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 17, 2004.

*Ruth A. Schreiber* 6-17-04  
Ruth A. Schreiber Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, 1.97 and 1.98, the Applicant wishes to bring the reference materials listed in the attached Form PTO-1449 to the attention of the U. S. Patent and Trademark Office. Copies of the references are provided for the Examiner's convenience.

No representation is made or intended that a complete and exhaustive prior art search has been made, or that no better references than those set forth below are available. Furthermore, this Statement does not constitute an admission that these references are properly citable against the present application as prior art.

It is respectfully requested that these references be considered by the Examiner and formally made of record in this case.

06/24/2004 JBALINAN 00000115 190615 10695078

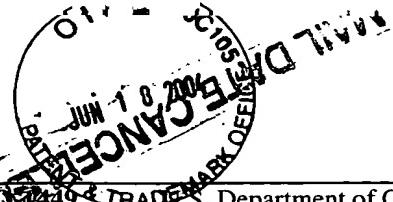
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This information disclosure statement is being filed before receipt of the first office action. Therefore, applicants believe that no fees are due. However, in the event that the first office action has been mailed prior to the filing of this information disclosure statement, the Commissioner is authorized to charge Deposit Account No. 19-0615 in the amount of \$180.00, to cover the fee set forth in 37 CFR 1.17(p) for submission of an information disclosure statement under §1.197(c). The Commissioner is authorized to charge or credit any deficiency/overpayment to Deposit Account No. 19-0615. Two copies of this paper are attached.

Respectfully submitted,

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Registration N° 44,653

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FORM PTO 5449 & TRADEMARK OFFICE U.S. Department of Commerce Patent and Trademark Office		ATTY. DOCKET NO: 60-1543	SERIAL NO.: 10/695,078
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use several sheets if necessary)</i>		APPLICANT: OUNADJELA	EXAMINER:
		FILING DATE: October 28, 2003	GROUP: 3662

### U.S. PATENT DOCUMENTS

Exam Init.	Document Number	Date	Name	Class	Sub-class	Filing date if appropriate
	4,651,044	3/17/87	Kompanek	310	323	3/25/80
	5,228,011	7/13/93	Owen	367	147	5/13/91
	4,505,362	3/19/85	Layotte et al.	188	67	7/2/82
	US20030205428-A1	11/6/03	Chang	181	108	4/25/02

### FOREIGN PATENT DOCUMENTS

Exam Init.	Document Number	Date	Country	Class	Sub-class	Translation Yes      No

### OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	Balogh, W.T., Owen, T.E. and Harris, J.M. <i>New Piezoelectric Transducer for Hole-to-hole Seismic Applications.</i> 58 Ann. Int'l Mtg. Soc. of Expl. Geophys. Anaheim, CA (Oct 30-Nov 3, 1988).
	Deflandre, J.P., Laurent, J. and Blondin, E. <i>Use of Permanent Geophone for Microseismic Surveying of a Gas Storage Reservoir.</i> 55th EAGE Meeting, June 7-11, 1993
	Dumont, M-H., Fayemendy, C., Mari, J-L. and Huguet, F. <i>Underground Gas Storage: Estimating Gas Column Height and Saturation with Time Lapse Seismic..</i> Petroleum Geoscience, Vol. 7 (2001) pp. 155-162.
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	Meunier, J., Huguet, F., Meynier, P. <i>Reservoir Monitoring Using Permanent Sources and Vertical Receiver Antennae: The Cérela-Ronde Case Study.</i> The Leading Edge (Jun 2001) pp. 622-629.
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EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant